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an impeller rotation detector operatively coupled to said impeller for detecting a rotation of said impeller when said power drive unit is used to rotate said impeller; wherein said metering module is configured and sized to discharge a predetermined quantity of said food when said impeller rotates over a predetermined rotation angle;

whereby said impeller rotation detector detects that said impeller has rotated over said predetermined rotation angle after said power drive unit has been energized to detect dispensing of said predetermined quantity of said food.

6. A food dispenser as defined in claim 5, wherein said impeller rotation detector includes a magnet mounted to said impeller for joint rotation therewith and a magnetic field sensor fixed with respect to said metering module upper and lower walls, said magnetic field sensor being positioned to be substantially in register with said magnet when said impeller reaches said predetermined rotation angle.

7. A food dispenser as defined in claim 5, further comprising a controller operatively coupled to said power drive unit for energizing said power drive unit when a predetermined condition is met.

8. A food dispenser as defined in claim 7, wherein said controller is operatively coupled to said impeller rotation detector for energizing said power drive unit until said impeller has rotated over said predetermined rotation angle.

9. A food dispenser as defined in claim 8, wherein said predetermined rotation angle is an integer number of impeller rotation.

10. A food dispenser as defined in claim 8, wherein said controller issues an alarm if said predetermined rotation angle has not been reached within a predetermined power drive unit activation duration.

11. A food dispenser as defined in claim 5, wherein said metering module upper wall defines two substantially opposed input ports operatively coupled to said food receiving module for receiving said food therefrom, and said metering module lower wall defines two substantially opposed

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output ports for releasing said food, said output ports being substantially offset from said input ports when said food dispenser is in an operative configuration.

12. A food dispenser as defined in claim 11, wherein said two input ports are offset from said two output ports by about 90 degrees.

13. A food dispenser as defined in claim 5, further comprising a directing structure mounted in said food receiving module, said directing structure defining a directing plane inclined toward said input port.

14. A food dispenser as defined in claim 5, further comprising an auxiliary arm located in said food receiving module and operatively coupled to said impeller for joint rotation therewith.

15. A food dispenser as defined in claim 5, wherein said impeller includes 4 substantially radially extending arms.

16. A food dispenser as defined in claim 15, wherein each of said arms defines a respective vane extending between said metering module upper and lower walls.

17. A food dispenser as defined in claim 16, wherein at least one of said arms defines an obstructing element extending in a substantially parallel and adjacent relationship relative to said metering module lower wall, said obstructing element substantially obstructing said output port over a predetermined range of impeller rotation angles.

18. A food dispenser as defined in claim 5, wherein said metering module upper and lower walls are substantially planar and substantially parallel to each other.

19. A food dispenser as defined in claim 5, wherein said power drive unit is provided in said discharge module, said food dispenser also comprising an output drive shaft extending between said power drive unit and said impeller through said metering module bottom wall.

20. A food dispenser as defined in claim 19, wherein said power drive unit includes a motor and a gear system provided between said motor and said output drive shaft for changing a rotation speed ratio between said motor and said impeller.

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